



Wall hung
gas boilers

PLANET DEWY 60 BFR

- **Condensing wall hung up to 97% efficiency**
- **Full gas/air modulation**
- **Built-in circulator and air eliminator.**
- **Stainless steel heat-exchanger**
- **Can be installed in a cascade design up to 6 boilers (1.2MBtu/hr)**
- **Ideal for Snow Melt and Commercial Heating Applications**
- **Available in natural gas and LP gas**



 **sime**[®]



Wall hung boilers



PLANET DEWY 60 BFR

Condensation technology

Why choose a condensation boiler?

It offers a number of obvious advantages.

Combustion in a conventional boiler exploits only a portion of the energy contained in fuel by transforming it into heat; the rest of the energy is dispersed in the flue.

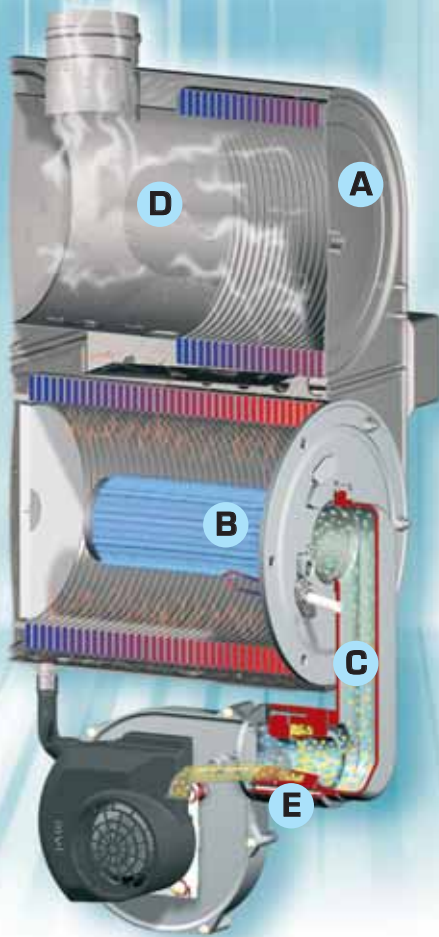
Condensation technology recovers a large percentage of the dispersed energy, achieving more efficient use of all the energy offered by the fuel.

Planet Dewy makes use of almost all energy produced by gas combustion to achieve maximum efficiency and minimum consumption.

A green heart

At the heart of the **Planet Dewy 60 BFR** boiler is a combustion system that ensures the highest efficiency by extracting the most heat possible from the burnt gas. **Planet Dewy 60 BFR** has an efficien-

cy up to 97%. The advanced system also means polluting emissions are kept to a minimum for a greener environment. The NOX emissions are well within the limits set by regional standards.



The premixed condensation system of the Planet Dewy 60 BFR

- A** The main heat exchanger is manufactured in high quality stainless steel (AISI 316 LC) to resist the corrosive action of the condensation that is produced. Its cylindrical shape, as well as efficiently collecting the condensate liquid, ensures the best possible heat exchange takes place.
- B** The pre-mixed burner, also in stainless steel, is cylindrical and positioned radially in the combustion chamber. Its `micro-flame' feature allows for a lower operating surface temperature which reduces significantly the amount of polluting emissions (nitrous-oxide) produced.
- C** Air and gas for combustion are introduced into the burner manifold pre-mixed in an ideal balance.
- D** The recovery of normally wasted energy occurs where the water vapour, present in the hot flue gases, condenses as it contacts the cooler surface created by the return water from the heating system.
- E** The sophisticated pre-mixing system along with constant temperature monitoring means the boiler output is perfectly matched to demand and ensures the highest possible operating efficiency at all times.

Cascade System

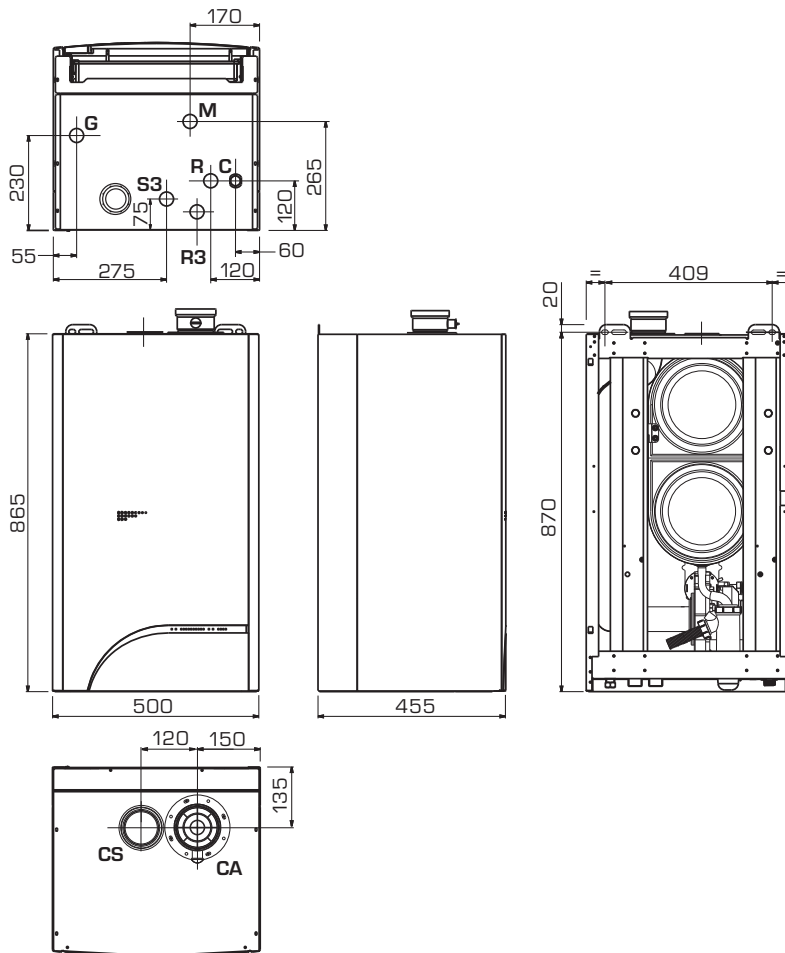
An example of a cascade system with three wall hung boilers ready to be placed in a boiler room. Pre-assembled cascade system reduces installation time and minimizes footprint. As a result the end installation is efficient, functional and neat.



Technical features

		60 BFR
Maximum input	kW (Btu/h)	63,6 (217.000)
Minimum input	kW (Btu/h)	17,9 (61.000)
Maximum output (60-80 °C)	kW (Btu/h)	56,6 (193.000)
Minimum output (60-80 °C)	kW (Btu/h)	17,0 (58.000)
Maximum output (30-50 °C)	kW (Btu/h)	62,1 (212.000)
Minimum output (30-50 °C)	kW (Btu/h)	19,0 (65.000)
Heating efficiency (60-80 °C)		
At maximum/ minimum output	%	97,5/97,6
Heating efficiency (30-50 °C)		
At maximum/ minimum output	%	107,0/109,3
Water content	litres (USgal)	4,8 (1,3)
Electric power consumption	W	198
Maximum C.H. pressure	bar (psi)	3 (44)
C.H. setting range	°C (F)	20÷80 (68÷176)
D.H.W. setting range	°C (F)	30÷60 (86÷140)
Weight	kg (lb)	51 (112,4)

Dimensional details - Hydraulic connections



Hydraulic connections

		60 BFR
M	C.H. flow	1"
R	C.H. return	1"
G	Gas connection	3/4"
S3	Condensation outlet	ø 25
C	C.H. filling	1/2"
R3	Storage tank return	1"

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